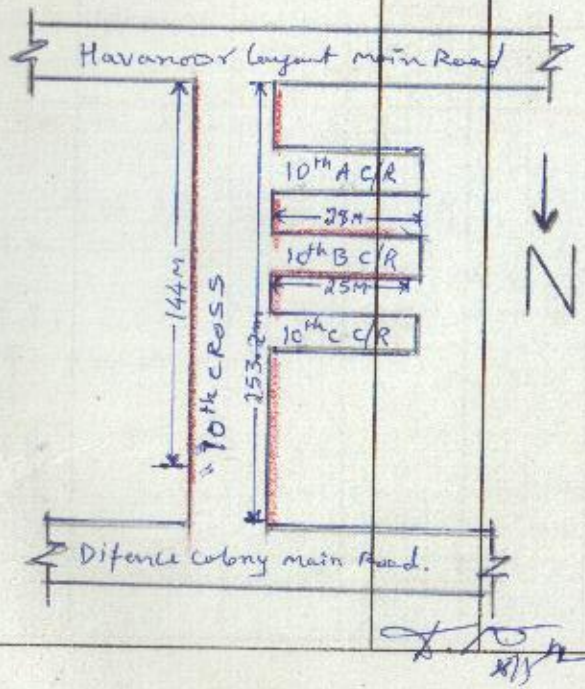
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



M. A. R. 57 (Rule 116)
Measurement Book

No. B 341315

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
16.	Disposal of debries to the final place of disposal with all lead and lift as directions by the engineer incharge. Qty vide item No ① @ 78.24/cum Certificate:- 1) Certified that contractor has done work satisfactorily. 2) Contractor has removed debries from work spot. 3) There are no departmental issues. KRIDL charges @ 1% ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಶಾಂತಲಾನಗರ ಬೆಂಗಳೂರು - 560 073					124.20 cum 28/5/15	9717/- 17,97,953/- 179795=00 17979=00 1995727=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremen
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment complete in all respects complete as per Spec MoRT Spec No 504, using 100/120TPH Capacity HMP with Sensor paver Gr-II with 6% VG Bitumen complete as per specifications.						
	To the cross	1	30.00	4.80	0.04	5.76	
		1	30.00	4.80	0.04	5.76	
		1	4.80	4.80	0.04	0.92	
						12.44 cum	
			limited to @ 11676.96/cum		12.29 cum		143510/-
15.	Carriage of mixed materials above 15 Km beyond 10Km to 15Km lead complete as per spec.						
	Qty vide item no 14		@ 23.50/-			12.29 cum	403/-

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Measurement Book

No. B 341314

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty premeasmt recorded vide PNO 93/2 of this M.B		@ 34.56/Sqm			64.00 Sqm	2212/-
13.	providing and applying tack coat on the prepared black topped surface at 2.5Kg/10Sqm, heating bitumen in boiler fitted with spray set including cost of all materials, labour, Hire of machineries complete.						
	Qty premeasmt recorded vide PNO 94/2 of this M.B		@ 18.74/Sqm			243.20 Sqm	4558/-
14.	providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading pre mixed with bituminous						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Crushed coarse aggregates loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade rolling by power roller to achieve the desired density 50/75mm compacted thickness with 3.3%. bitumen with 80/100 grade bitumen using 40/60 TPH capacity HMP with Sensor Paver Grill Bitumen as per the directions of engineer in charge of the work. Quantity premeasured recorded vide p No 341394 of this M.B	as per design mix formula for bituminous				3.84 cum	26716/-
			@ 6957.36/cum				
12.	Providing and applying primer coat with S.S Bitumen emulsion on prepared surface of granular base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.6Kg/Sq.m using mechanical means complete as per specification.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity premeasurement recorded vide PNO 341392 of this M.B		@ 3.02/sqm			307.20 Sqm	928/-
10.	Providing laying. Spreading and Compacting graded stone aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base on well prepared surface complete as per specifications.						
	Quantity premt recorded vide PNO 341393 of this M.B		@ 1438.56/cum			23.04 cum	33144/-
11.	Providing and laying bituminous macadam on prepared surface with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	20.00	0.90		18.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	29.00	0.90		26.10	
	10th A cross	1	28.00	0.75		21.00	
		1	25.00	0.75		18.75	
						419.73 Sqm	
			Limited to 405.00 Sqm				
			@ 1600.00/Sqm				648000/-

9. Cleaning the existing black topped surface with brooms soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment including cost of all materials labour, complete as per specification.

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Measurement Book

No. B

341312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	machine cutting the vertical face to get plain even surface etc., complete as per specifications.						
	10th cross western side	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	24.00	0.90		21.60	
	Eastern side	1	17.20	0.90		15.48	
		1	25.00	0.90		22.50	
		1	25.00	0.90		22.50	
		1	23.50	0.90		21.15	
		1	18.50	0.90		16.65	

C/F
to
2815

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity premeasurent recorded vide PNO341388 of this MB		missing slabs @ 639.36/Sqm			162.00 Sqm	103576/-
	7. Providing and Constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with CM 1:4 masonry with solid concrete blocks of size 40x20x20 cms conforming to I.S 2185/1965 in Superstructure including cost of materials labour charges, curing complete as per specifications.						
	Quantity premeasurent recorded vide PNO341392 of this MB		@ 993.60/Sqm			360.60 Sqm	357696/-
	8. Supplying and fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341311

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Curing Complete as per specifications. Quantity premeasurt recorded vide page No 341391 of this M.B		@ 5228.98/cum			25.88 cum —	135326/-
	5. Refixing stone slabs of drains and pointing in cm 1:3 etc, complete. as per Specifications. Quantity premesurt recorded vide pwo-341388 of this M.B		Total Qty 263.99sqm limited to @ 75.60/Sqm			243.10 Sqm	18371/-
	6. providing granite slabs selected quality roughly dressed and fixed in cm 1:6 including fixing curing etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3. Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 Kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85cum and fine aggregate @ 0.51cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation & plinth, including cost of all materials, labour, curing, complete. Qty Premeasurment recorded vide PNo 34389/2 of this M.B		@4847.04/cum			60.75cum	294458/-
	4. Providing and laying in PCC of mix M 1:2:4 with cement @240 Kgs with 20mm and down size graded granite metal coarse aggregate @ 0.57cum and fine aggregate @ 0.45cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth including cost of all materials, labour, Hire of machinery						

Adt No: 159/14-15 dt: 20-3-15
TS No: 263/14-15 dt: 25-3-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341310

Bill No I st & Final

Jobcode: 014-15-000640
Pcode: 1771
est cost: 2906 Lakhs

Serial No. .....
Name of Work Improvements to roads and drains at 10th Cross Harnoor layout road connecting to difence colony in Bagalagunte in ward No-14.
From ..... To .....
Name of Contractor of nature of Agency Technical Manager KRIDL Bangalore
Date of commencement of work EE/DD/WD/363/14-15 Dated: 31/3/2015

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	~~Excavation~~ Earth work excavations by manual means in ordinary soil involving an averger horizontal throw upto 2meters and an average lift upto 0.5m, Excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per Specifications. Quantity premeasure recorded vide PNO341386 of this M.B		@ 75.60/cum			124.20cum	9390/-
2.	Removing B.S slab of drain and stacking etc, complete as per specification. Quantity premeasure recorded vide PNo341388 of this M.B		@ 58.32/Sq.m			162.00Sqm	9448/-